

Field Notes - Pennwalt Corporation, CSI-T Survey, Wyandotte, Michigan

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US EPA RECORDS CENTER REGION 5



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Survey Dates: November 4-5, 1980

The survey team arrived at the facility shortly after the noon hour and met there with Robert Bowlus and Mr. Jack Lewis of the Pennwalt Corporation. The sample sites were agreed upon at both the east and west plants.

West Plant

006 - Two bioassay samplers were activated at this outfall with samples being drawn immediately below the sheet piling cutout constituting 006. Both samplers were adjusted to draw 510 ml every hour. Two grabs were taken during the survey for grease and oil, VOA and sulfides. Phenol composite consisted of six grabs. Total flow was obtained from company integrator readings.

Pond #4 - An ISCO jug sampler was installed on a catwalk to obtain the effluent of this pond prior to introduction of non-contact cooling water. Again two grabs for grease and oil, VOA and sulfides were taken as well as a phenol composite of six aliquots. No flow was possible at this point.

Ponds #1 and 2 - Sampling consisted of a one time grab for phenol and organics, at both sites. Samples were drawn in the direct vicinity of the influent lines to the ponds. Flows at both ponds were intermittent and intake pipes were submerged.

East Plant

001 - An ISCO multi sampler was employed at this location with the sample being taken directly through the grating. Two grabs were taken for grease and oil and VOA's. In addition one grab was obtained for organics and pesticides. No flows were available.

002 - An ISCO multi sampler was also employed at this outfall, with flow data being collected from plant integrator readings. The samples were actually drawn from the upstream side of a parshall flume. Two grease and oil, and VOA grabs were collected as well as one grab for organics and pesticides.

003 - An ISCO jug sampler was employed here immediately adjacent to a pump and valve house. Again integrator readings from plant records were utilized for flow data. Two grabs for grease and oil, and VOA's were taken as well as the individual grab for organics and pesticides.

005 - An ISCO jug sampler was employed and the sample was drawn immediately above the flume. There was considerable surge relative to this discharge. One of our Manning flow meters was installed and unfortunately it failed approximately two-thirds of the way through the survey. It had been activated the day prior to actual survey time and battery drain was the apparent culprit. Two grabs were taken here for grease and oil only, as was one grab for organics. A six aliquot composite for phenols was also collected at this site.

Influent - Two ISCO multi samplers were utilized, in that this station had been designated as being the quality control and duplicates taken. The samples being drawn from approximately four feet below the surface. A six aliquot phenol composite was collected as were two grease and oil grabs. No organics or pesticides were programmed for this station.

Monguagon Creek - Grab sediment samples were taken from the creek at the Jefferson bridge. Parameters being metals, phenol, PCB's and organics.

The weather throughout the survey was cool and clear, with no precipitation to adversely effect the discharges. At the conclusion of the survey composite samples were split with the company.